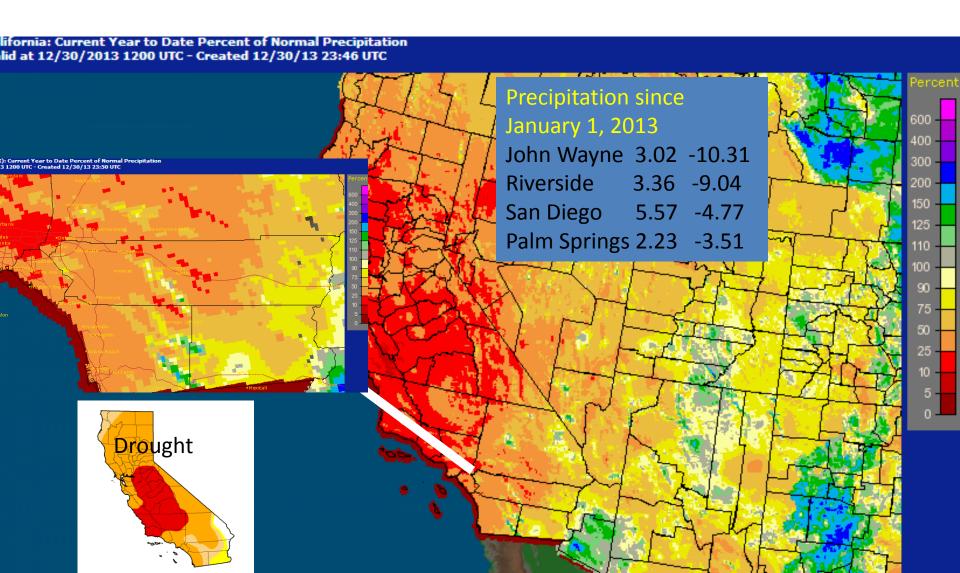
Weather Events of 2013 across Southwest California



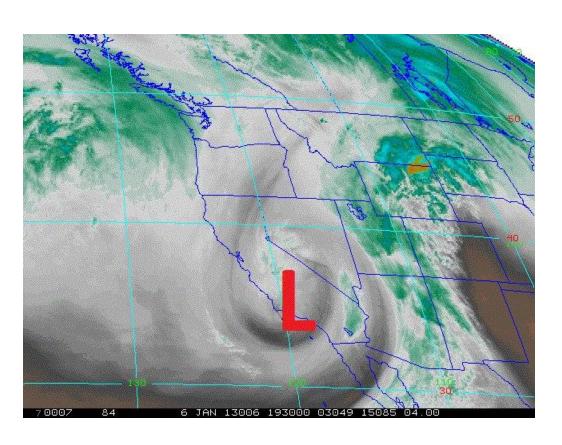
Compiled by Alex Tardy National Weather Service

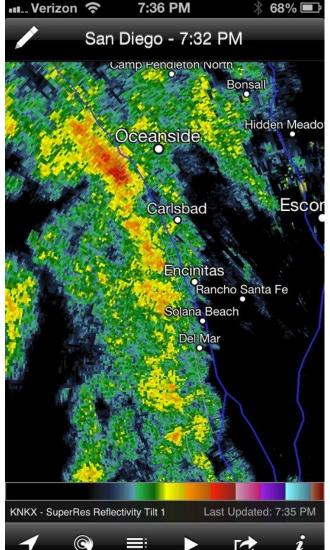
2013 precipitation percent of normal



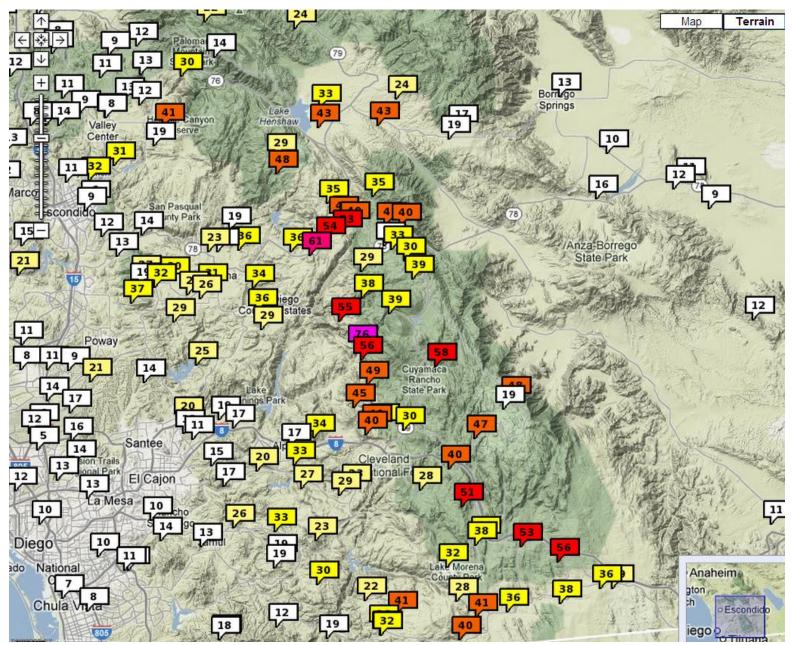
January 6,2013 cold closed upper low precipitation event

similar precipitation on the coast and mountains

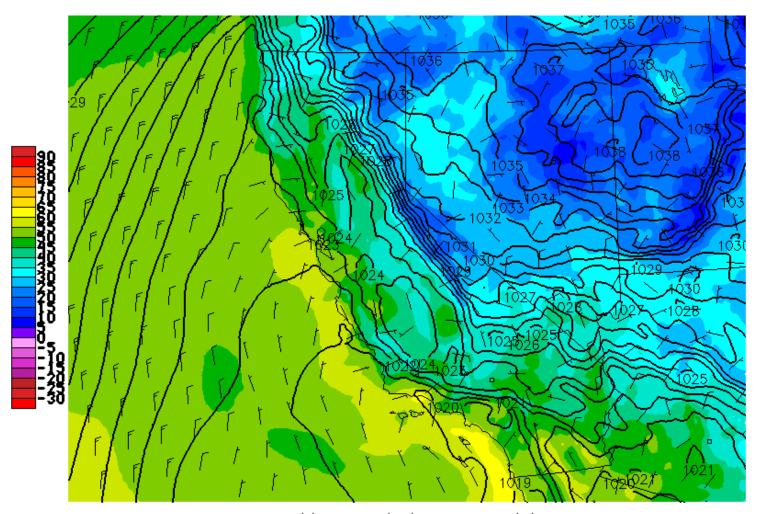




Santa Ana peak winds January 16

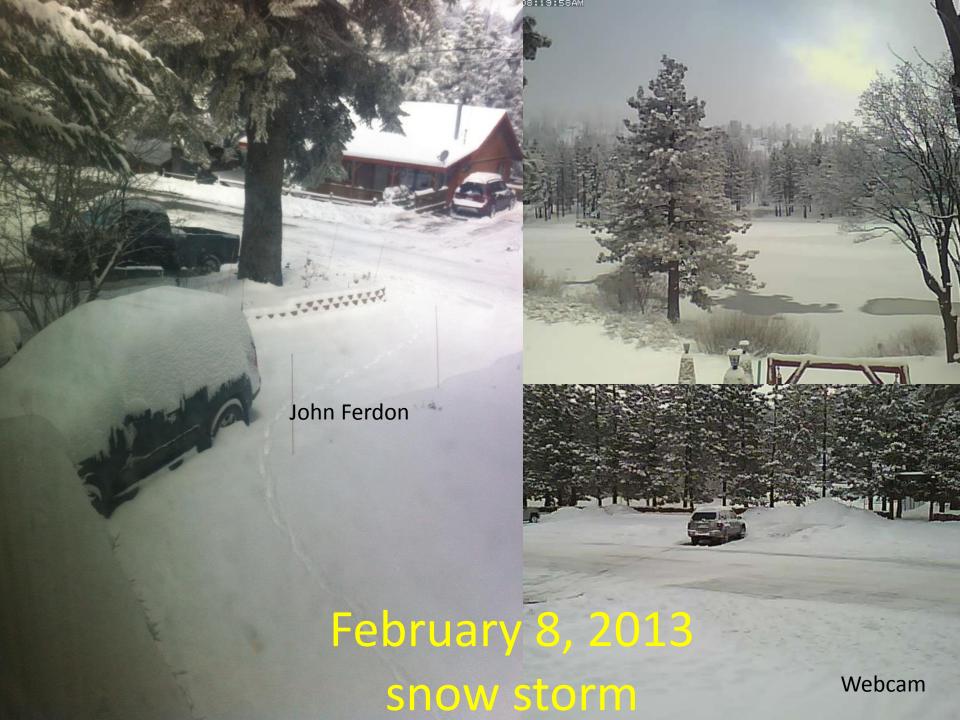


12 UTC 15 February NAM analysis 19 mb SLC to SAN (similar to January 16)



Observed peak wind February 15 Cool Santa Ana Wind

91 mph in San Diego County!

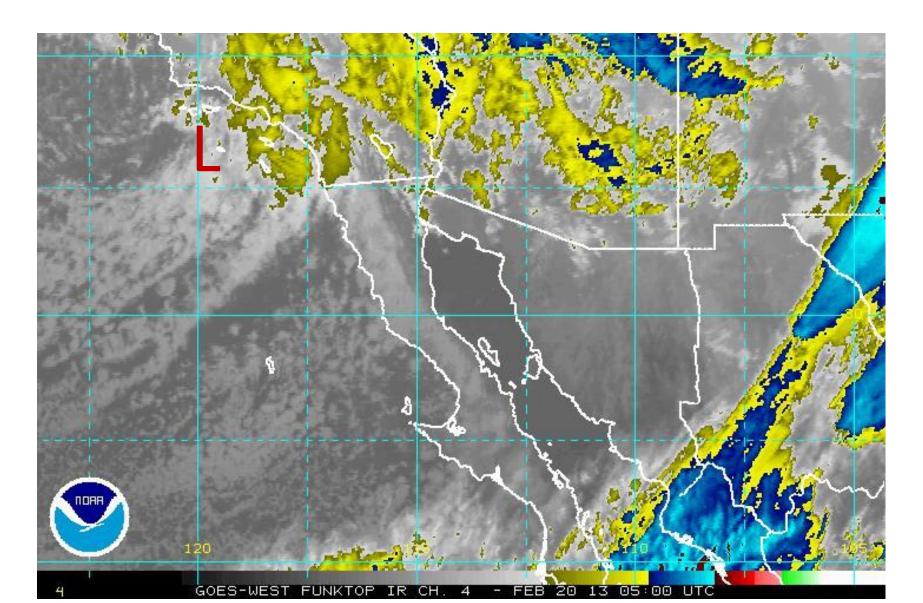








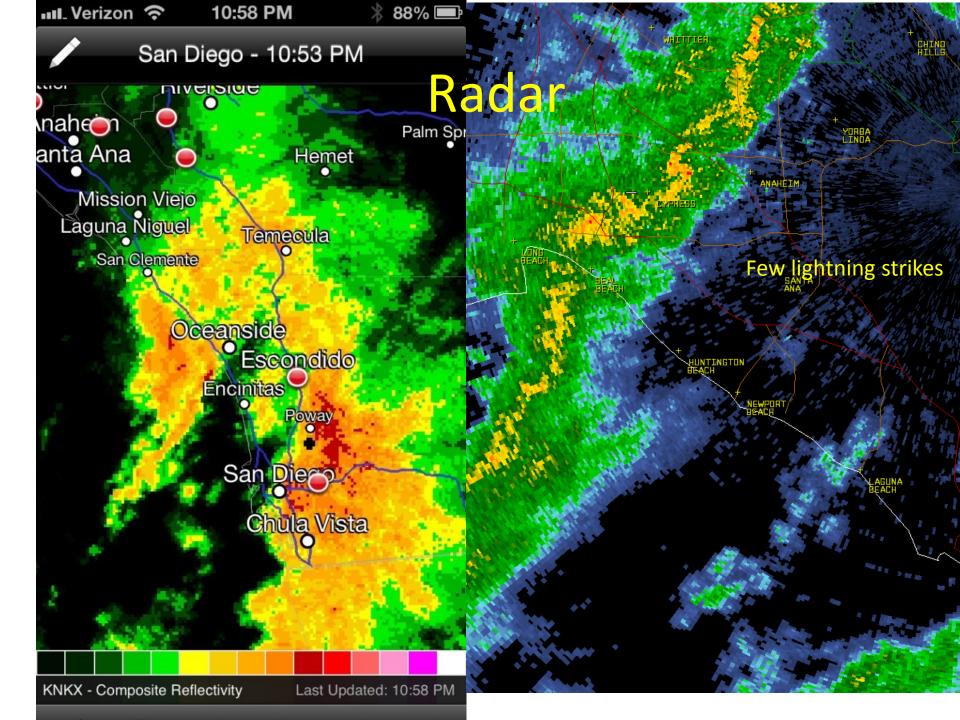
Satellite view February 20,2013 storm



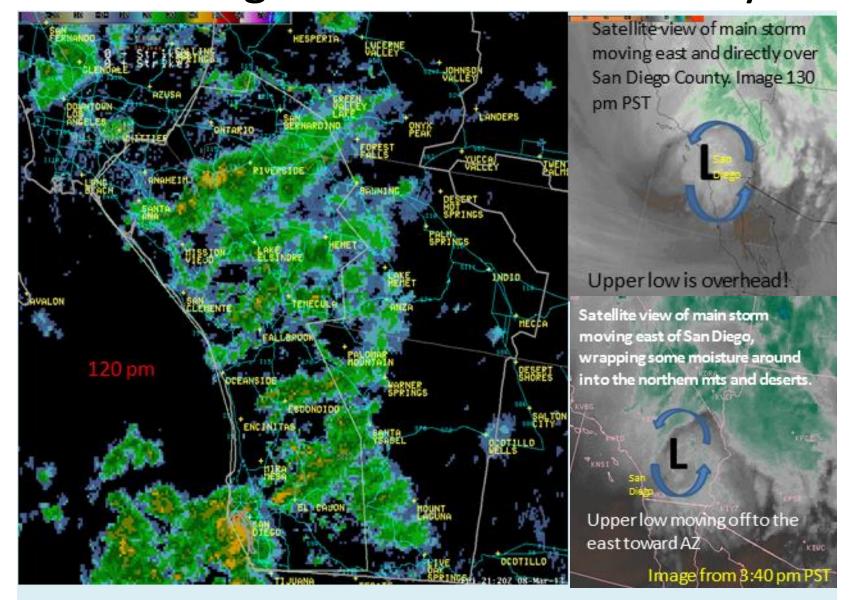




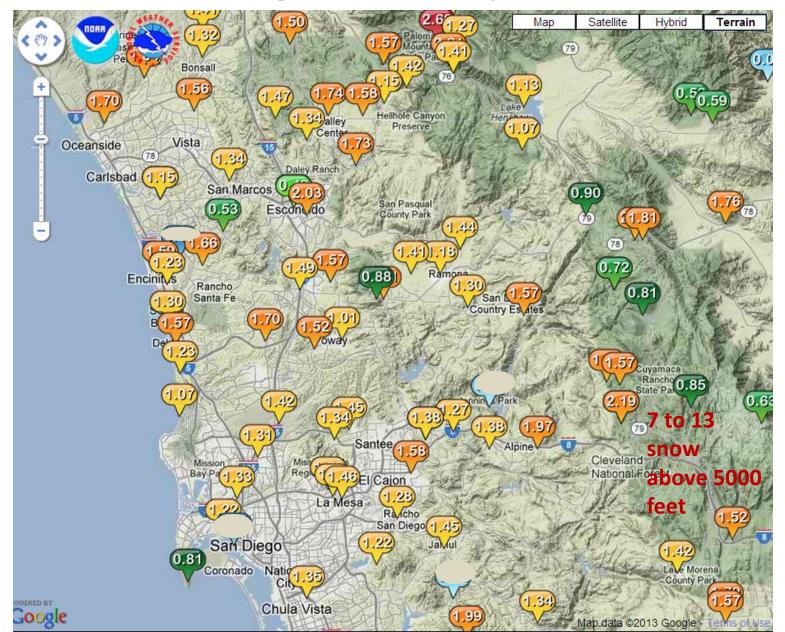




The March 7-8 storm went directly across the San Diego and Riverside County line

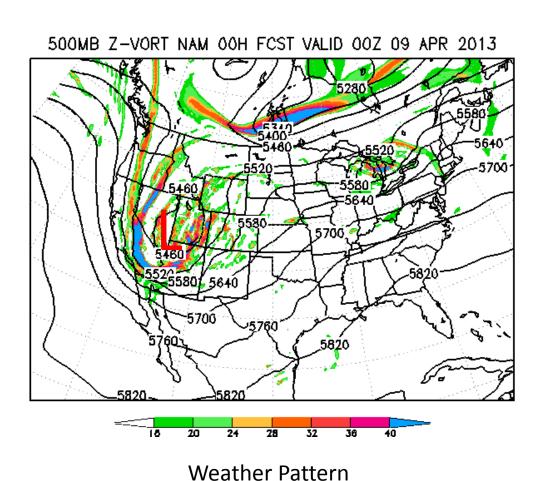


San Diego County totals

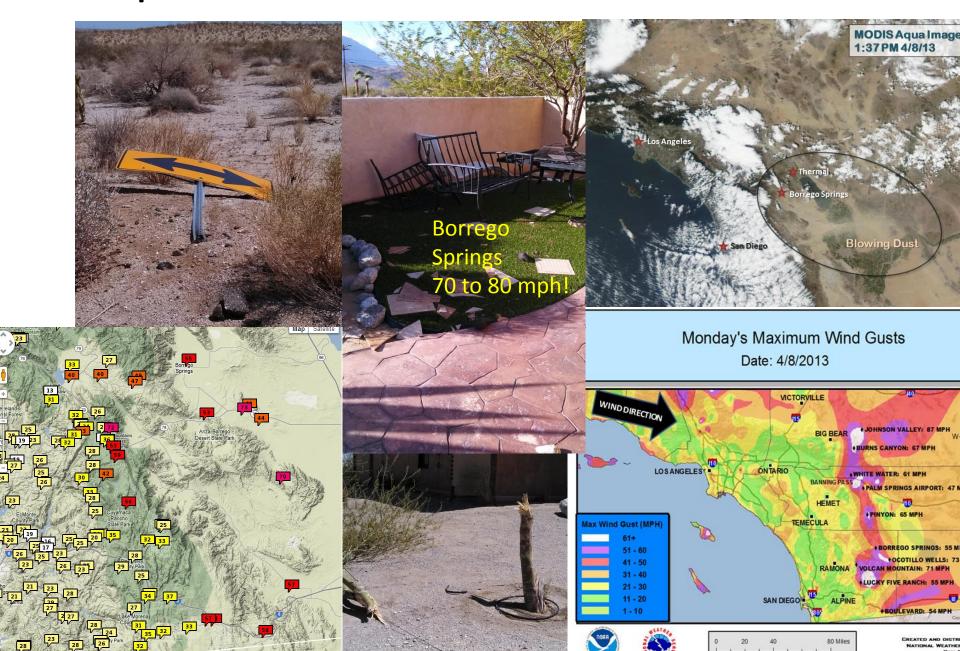


April 8, 2013 wind storm

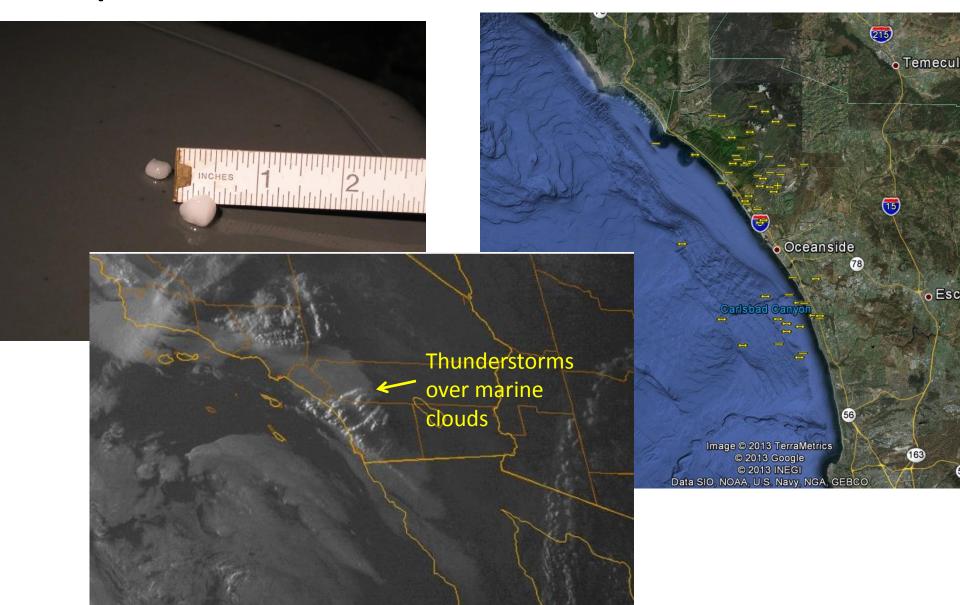




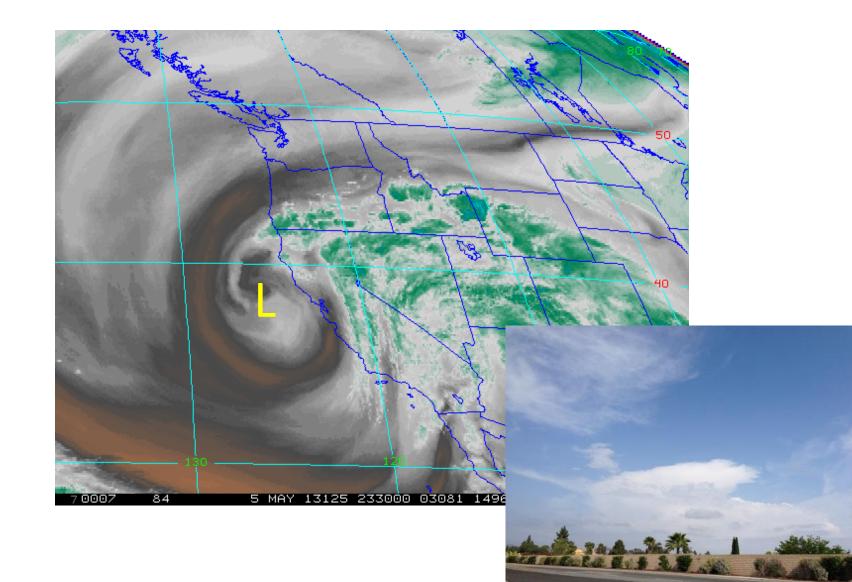
April 2013 desert severe wind storm



April 24, 2013 elevated thunderstorms

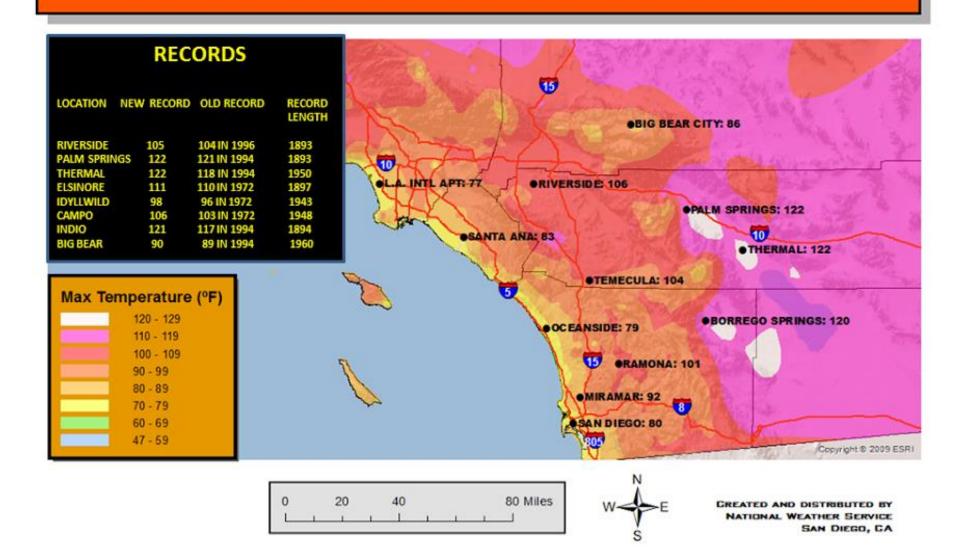


Late Season May storm



Heat Wave June 28 to July 9

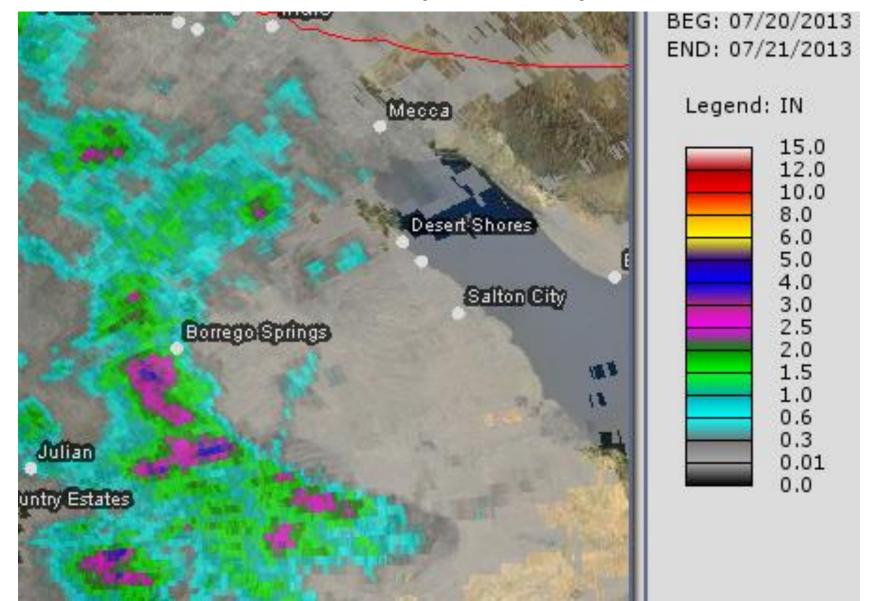
Saturday's Maximum Temperatures - 6/29/13



Flash Floods in Borrego July 21, 2013 Fish Creek, Vallecito Wash and unknown



Digital Storm Total Precipitation (NKX) (dual pol) July 21



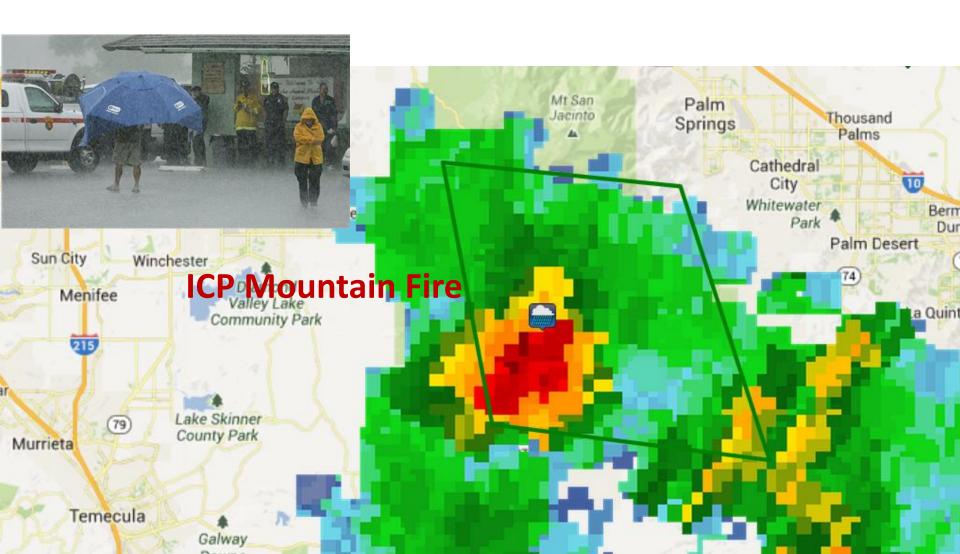
Lightning July 21 and 22, 2013





Mountain Fire burn scar debris flows

Heavy rain reported at ICP 18 inches debris flow mountain fire on Apple Canyon Road at 215 pm



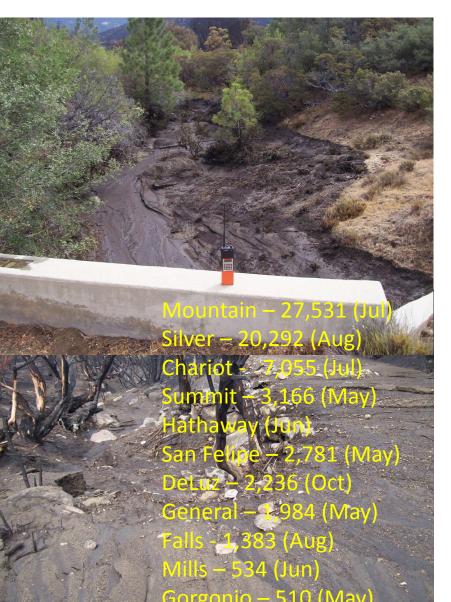
July 22, 2013 Big Bear City

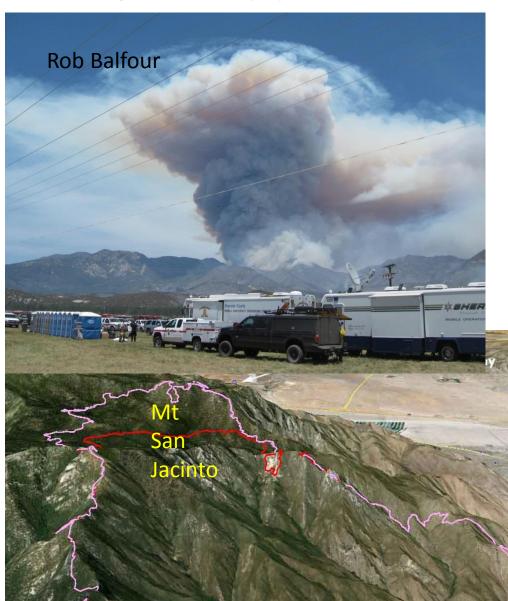


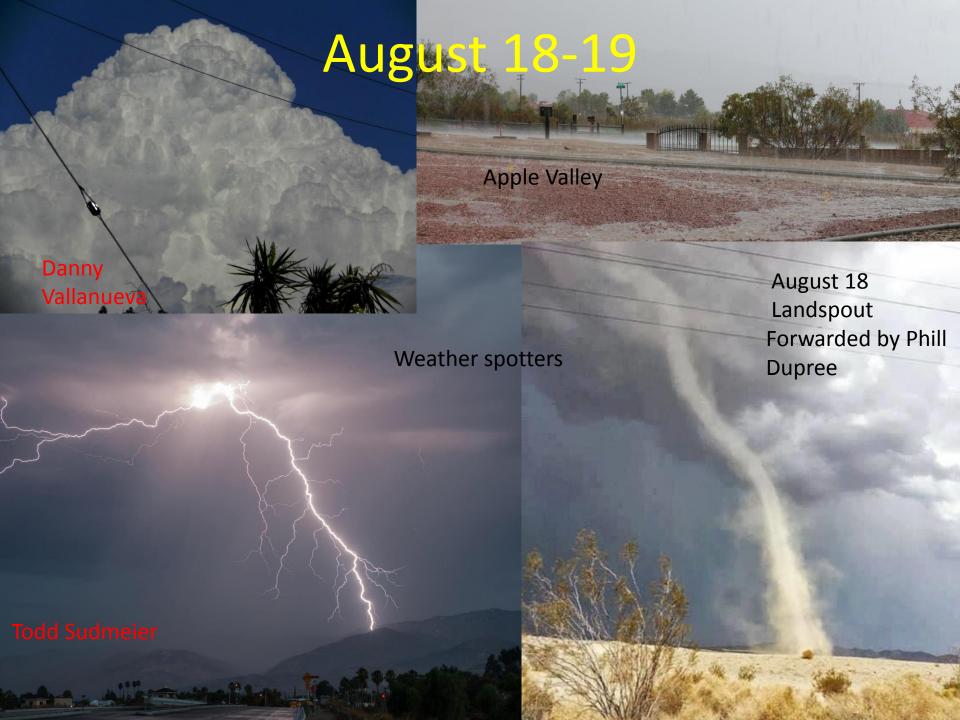
July 22, 2013 Borrego Springs Flash Floods



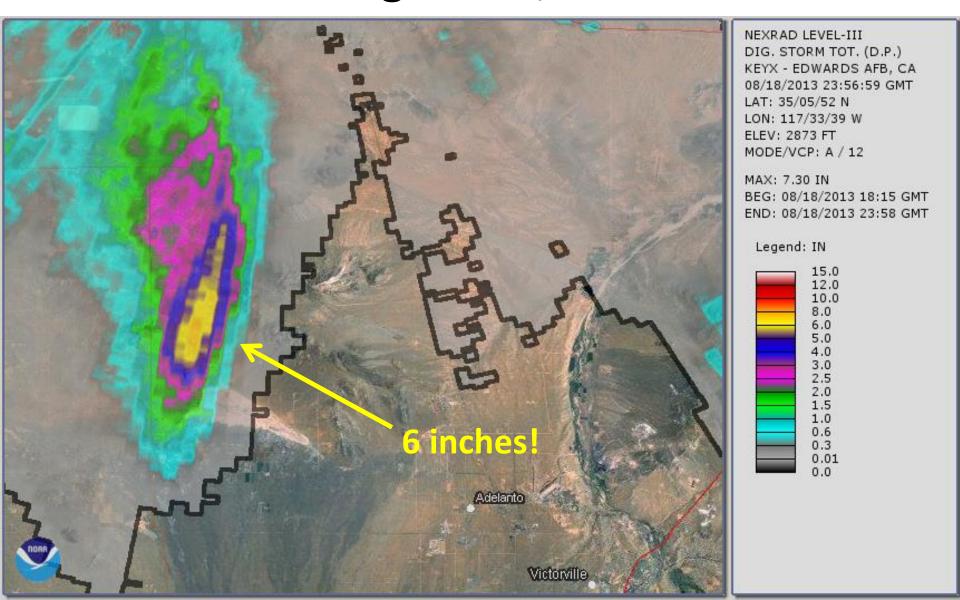
July and August 2013 Wildfires Incident Meteorologist support







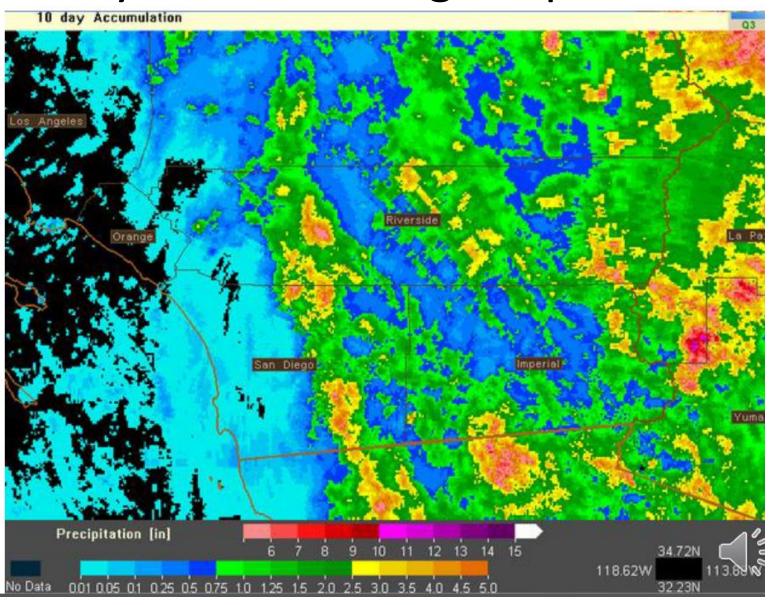
Digital precipitation storm total (dual-pol) August 18, 2013



El Mirage fills west of Victorville



10 day rainfall through September 7



August 25 Borrego and Agua Caliente Major Flooding



August 29 Riverside City





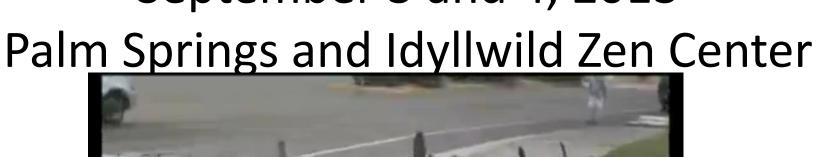








September 3 and 4, 2013





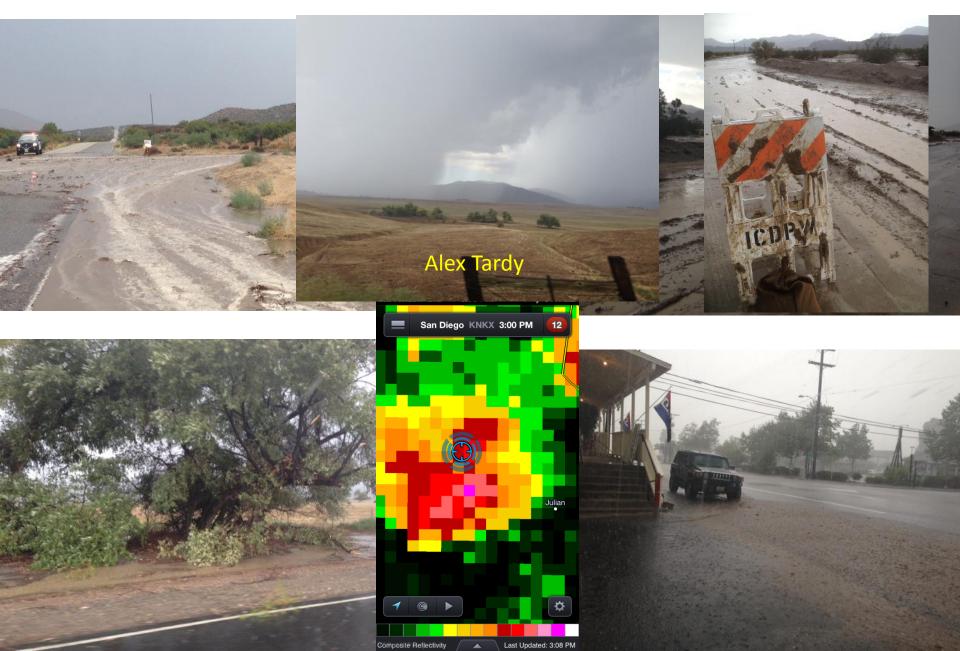
Forest Falls



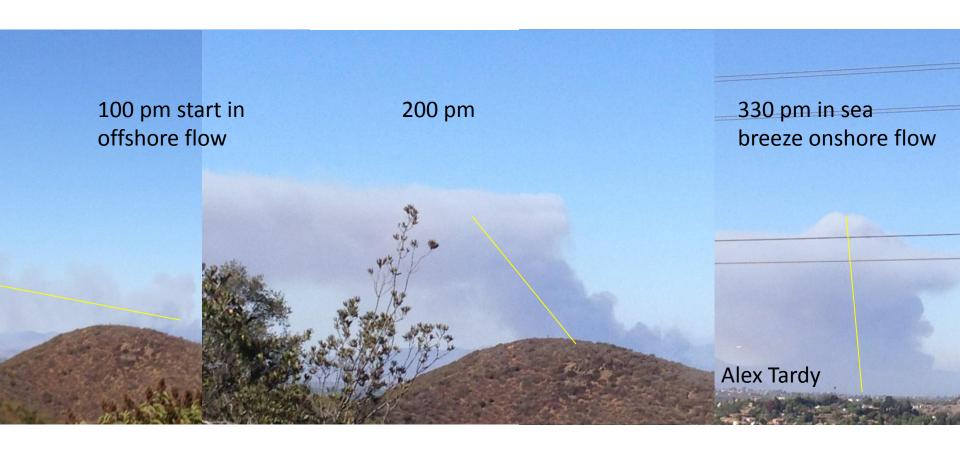
September 6 Pine Valley Flooding and Wind Damage



Highway 78 September 7 flooding



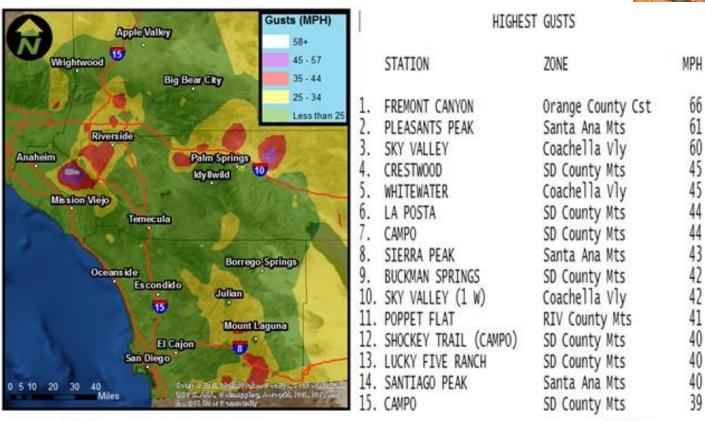
October 5, 2013 Camp Pendleton Fire



October 4-5, 2013 Santa Ana Wind

18 - Hour Maximum Wind Gusts - 10/4/2013







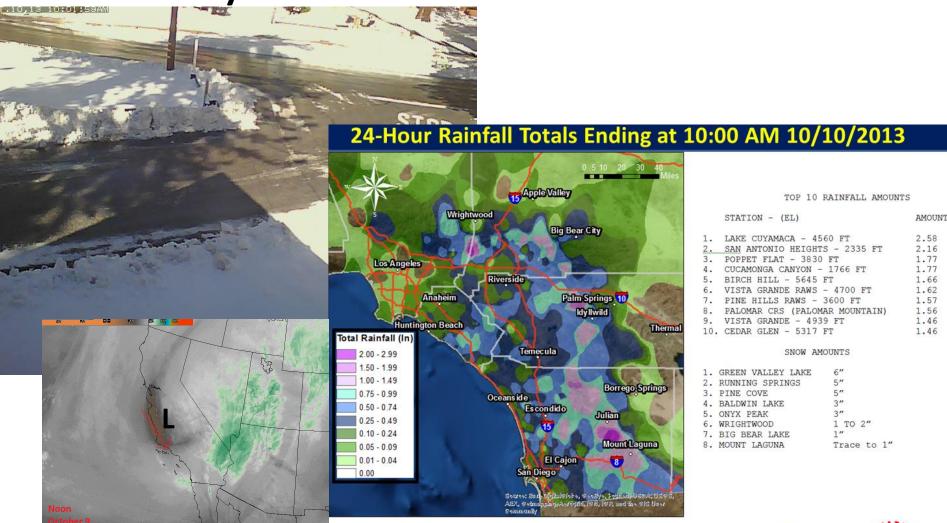
The graphic above displays interpolated values reported from over 600 weather stations in Southwest California. However, this should only be considered an estimation.







Green Valley Meadow Cam Early Season Snow October 9



This is an interpolation of reported values, but should be considered an estimation only.

Created and distributed by NWS San Diego.

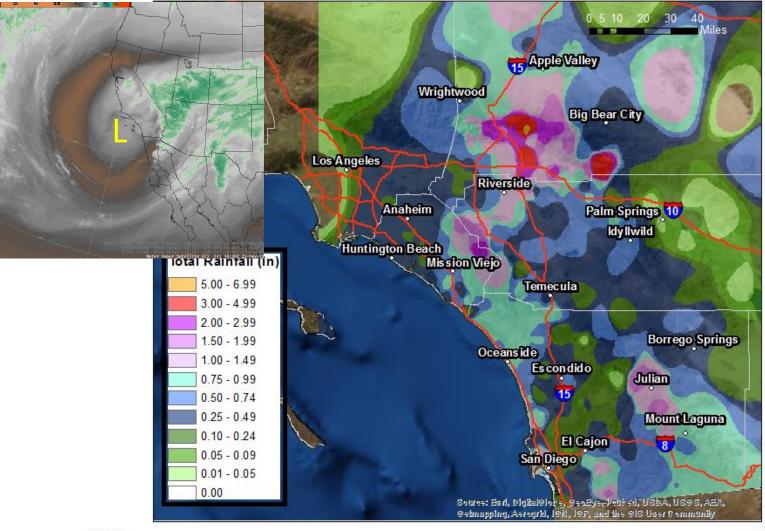




Dense Fog (UCSD cam) October 2013



48 hour total November 21-23





This is an interpolation of reported values, but should be considered an estimation only.

Created and distributed by NWS San Diego.







snowfall



Flash Flooding Inland Empire

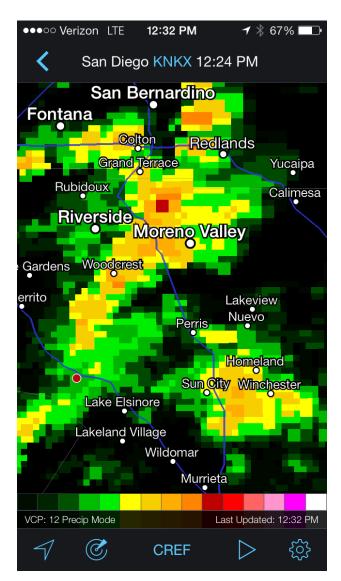
"A huge wave about 2-1/2 to 3 feet high came down and pushed me to the side of the road," the 43-year-old motorist said of a 2:15 p.m. deluge Thursday, Nov. 21.

The mud stranded Menchaca and two other motorists and closed one of the busiest intersections in San Timoteo Canyon: San Timoteo and Live Oak Canyon Roads.

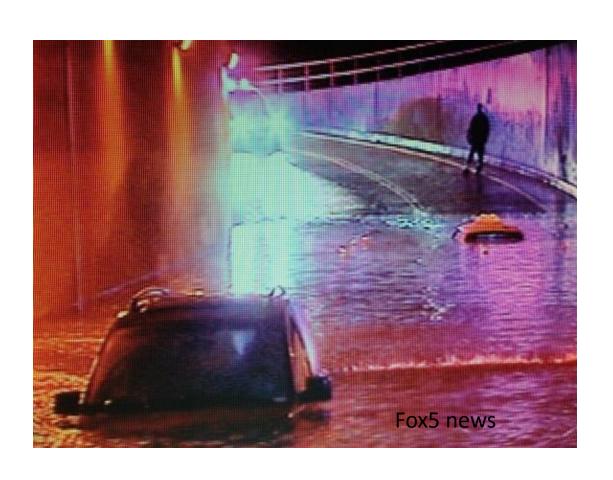
Two hours later, a bull dozer operator was still digging out the intersection. Menchaca still was spattered with mud up to his knees. And his truck showed no signs of going anywhere soon.



Heavy rains caused similar scenes elsewhere in San Timoteo Canyon between Moreno Valley and Redlands. And it was the same story in Reche Canyon between Riverside County and Colton, according to the California Highway Patrol.

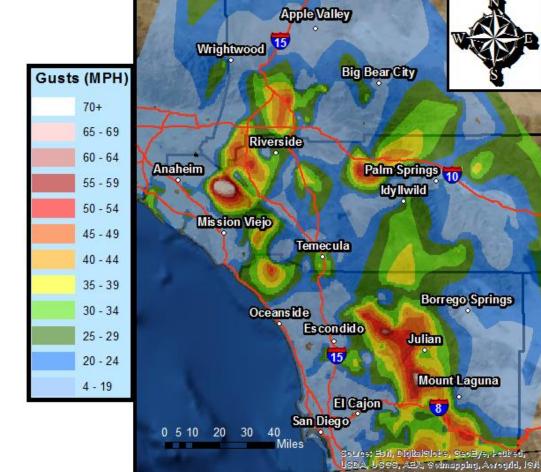


Urban Flooding November 21 1 inch rainfall in 1 hour and pump failure



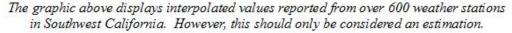


December 9 to 10, 2013 Strong Santa Ana wind



HIGHEST GUSTS

	STATION	ZONE	MPH
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	FREMONT CANYON SILL HILL PLEASANTS PEAK BIG BLACK MOUNTAIN ALPINE BUCKMAN SPRINGS INAJA PARK (SANTA YSABEL) HELLHOLE CANYON DYE MOUNTAIN 7 ENE ALPINE NORTH BOULDER CREEK BOULDER CREEK WEST SANTA YSABEL CRESTWOOD LA POSTA	Orange County Cst SD County Mts Santa Ana Mts SD County Vlys SD County Vlys SD County Mts SD County Wts SD County Vlys SD County Vlys SD County Wts SD County Mts	86 75 73 66 65 59 58 57 57 57 57 57
		•	





ISP, and the SIS User Communit





